

PCT REQUEST

PAPARA031475

Original (for SUBMISSION) - printed on 23.12.2003 03:50:40 PM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.11.2003)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference	PAPARA031475
I	Title of invention	SPRINKLER HEAD
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	PARADISE INDUSTRY CO., LTD.
II-5	Address:	65-2, Chunui-Dong, Wonmi-Gu, 420-858 Bucheon, Gyeonggi-Do, Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-2-795-2300
II-9	Facsimile No.	82-32-675-6297
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant only
III-1-2	Applicant for	all designated States except US
III-1-4	Name (LAST, First)	HATTORI, Tadashi
III-1-5	Address:	Clover Heights Kinwada Berueru 607, 242-5, Gakuhara-Cho, Kinwada-Shi, Osaka 596-0822 Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP

PCT REQUEST

PAPARA031475

Original (for SUBMISSION) - printed on 23.12.2003 03:50:40 PM

III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	SHIM, Dae-Min
III-2-5	Address:	Hyundai Apt. 203-703, 654, Gaepo-Dong, Gangnam-Gu, 135-240 Seoul, Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	PARK, Jang-Won
IV-1-2	Address:	Jewoo Bldg. 5th Floor, 200, Nonhyun-Dong, Gangnam-Gu, 135-010 Seoul, Republic of Korea
IV-1-3	Telephone No.	82-2-549-6934
IV-1-4	Facsimile No.	82-2-549-6841
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment; if any, are specified between parentheses after the designation(s) concerned)	AP: BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT

PCT REQUEST

PAPARA031475


Original (for SUBMISSION) - printed on 23.12.2003 03:50:40 PM

V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW	
V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	23 December 2002 (23.12.2002)	
VI-1-2	Number	20-2002-0038143	
VI-1-3	Country	KR	
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (KIPO) (ISA/KR)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

PCT REQUEST

PAPARA031475

Original (for SUBMISSION) - printed on 23.12.2003 03:50:40 PM

IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	-
IX-2	Description	17	-
IX-3	Claims	2	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	7	-
IX-7	TOTAL	31	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney		-
IX-11	Copy of general power of attorney		-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract	5	
IX-20	Language of filing of the international application	Korean	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	PARK, Jang-Won	

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
------	--	--

PCT (ANNEX - FEE CALCULATION SHEET)

PAPARA031475

Original (for SUBMISSION) - printed on 23.12.2003 03:50:40 PM

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only	
0-1	International Application No.	
0-2	Date stamp of the receiving Office	
0-4	Form - PCT/RO/101 (Annex)	
0-4-1	PCT Fee Calculation Sheet Prepared using	PCT-EASY Version 2.92 (updated 01.11.2003)
0-9	Applicant's or agent's file reference	PAPARA031475
2	Applicant	PARADISE INDUSTRY CO., LTD., et al.
12	Calculation of prescribed fees	fee amount/multiplier Total amounts (KRW)
12-1	Transmittal fee T	⇒ 45,000
12-2-1	Search fee S	⇒ 150,000
12-2-2	International search to be carried out by	KR
12-3	International fee	
	Basic fee (first 30 sheets) b1	530,000
12-4	Remaining sheets	1
12-5	Additional amount (X)	12,000
12-6	Total additional amount b2	12,000
12-7	b1 + b2 = B	542,000
12-8	Designation fees	
	Number of designations contained in international application	99
12-9	Number of designation fees payable (maximum 5)	5
12-10	Amount of designation fee (X)	114,000
12-11	Total designation fees D	570,000
12-12	PCT-EASY fee reduction R	-163,000
12-13	Total International fee (B+D-R) I	⇒ 949,000
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒ 1,144,000
12-19	Mode of payment	cash

VALIDATION LOG AND REMARKS

13-2-1	Validation messages Request	Green? A translation of the international application into English will have to be prepared under the responsibility of the ISA selected.
		Green? Please note that the entire request (including the title of invention) must be in English

PCT. (ANNEX - FEE CALCULATION SHEET)

PAPARA031475

Original (for SUBMISSION) - printed on 23.12.2003 03:50:40 PM

13-2-7	Validation messages Contents	Green? Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)
		Yellow Accompanying item "copy of general power of attorney" has not been indicated as enclosed.
		Yellow Accompanying item "original separate power of attorney" has not been indicated as enclosed.
13-2-8	Validation messages Fees	Green? Please confirm that fee schedule utilized is the latest available
13-2-1 1	Validation messages For receiving Office/International Bureau use only	Green? Verify electronic data for consistency against printed form.